

Please amend the paragraph starting at page 6, line 19 as follows:

A2 Additional embodiments encompass cells containing recombinant the *csa* operon or fragments thereof and vectors comprising the *csa* operon or fragments thereof.

Please amend the paragraph starting at page 26, line 5 as follows:

A3 Promoters suitable for use with prokaryotic hosts illustratively include the beta-lactamase and lactose promoter systems (Chang, et al., Nature, 275:617, 1978; and Goeddel, et al., Nature, 281:544, 1979), alkaline phosphatase, the tryptophan (*trp*) promoter system (Goeddel, Nucleic Acids Res., 8:4057, 1980) and hybrid promoters such as the *taq* promoter (de Boer, et al., Proc. Natl. Acad. Sci. USA, 80:21-25, 1983). Other functional bacterial promoters are also suitable. Their nucleotide sequences are generally known in the art, thereby enabling a skilled worker to ligate them to a polynucleotide which encodes the peptide of interest (Siebenlist, et al., Cell, 20:269, 1980) using linkers or adapters to supply any required restriction sites.

Please amend the paragraph starting at page 26, line 14 as follows:

A4 In addition to prokaryotes, eukaryotic microbes such as yeast cultures can also be used as source for the regulatory sequences. *Saccharomyces cerevisiae* is a commonly used eukaryotic host microorganism. Suitable promoting sequences for use with yeast hosts include the promoters for 3-phosphoglycerate kinase (Hitzeman, et al., J. Biol. Chem., 255:12073, 1980) or other glycolytic enzymes (Hess, et al. J. Adv. Enzyme Reg. 7:149, 1968; and Holland, Biochemistry, 17:4900, 1978) such as enolase, glyceraldehyde-3-phosphate dehydrogenase, hexokinase, pyruvate decarboxylase, phosphofructokinase, glucose-6-phosphate isomerase, 3-phosphoglycerate mutase, pyruvate kinase, triosephosphate isomerase, phosphoglucose isomerase, and glucokinase.

IN THE CLAIMS:

Please amend Claims 16 and 35 as follows:

A5 16. (AMENDED) The immunogenic composition of claim 1, wherein the carrier is a composition comprising the *csa* operon.

A6 35. (AMENDED) A purified polypeptide sequence expressed from a recombinant *csa* operon.